# Nikhil N | CV

Software Development Engineer 3

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## Summary

A software engineer experienced in building high quality software products and solutions from end to end and capable of working in a fast paced dynamic environments. I am interested in developing scalable, performant, high quality frontend and backend applications.

## Education

**International Institute of Information Technology, Bangalore**          **M.Tech, Information Technology**
**Key Courses**: Algorithms, Data Structures, Operating Systems, Object Oriented Analysis and Design, Database Systems
**Scores**: 3.37/4          **Awards**: Directors merit list student

## Interests & Expertise

o Interested in learning new innovations in software systems design which focuses on scale and performance.
o Interested in design and implementation of software products from end to end (frontend and backend)
o Interested in learning new trends in design of large scale distributed systems.
o Experienced in developing full stack web and mobile applications.
o Experienced in developing cross platform mobile applications with focus on quality and reuseability.
o Experienced in leading small teams & mentoring team members, contributing to technology, product & process initiatives.

## Skills

**Languages**: C, C++, Java, Javascript

**Libraries & Frameworks**: Reactjs, mobx, Spring

**Databases**: MySQL, DynamoDB

**Tools**: Maven, Gradle & CMake

**Version Control**: Perforce & GIT

## Experience

**Adobe**          **Bengaluru, India**
*Computer Scientist*          *March, 2015 – Present*
o **Adobe Notification System (ANS)** : ANS lets Adobe apps & services deliver device-oriented notifications to Adobe users reliably across desktop, web and mobile in real-time with minimal integration effort. It's been extensively used by more than 65+ adobe creative, experience and document cloud products. I currently own various features which include sending Group Notifications, Delivery pipeline, real time alerts, localisation support. I have also redesigned and implemented the frontend for the service in reactjs and redux to cater to experience cloud use cases. Technologies: Java, Amazon Web Services (DynamoDB, S3, SNS, Lambda, SQS, RDS, CloudWatch etc), Spring framework, Netflix open source libraries (Hystrix), Redis.
o **Project Gemini** : Gemini is a next generation drawing and painting app that combines the capabilites of both Adobe Draw and Adobe Sketch. I worked on a backend service that converts Draw and Sketch projects into Gemini compatible format. Handling this conversion at a large scale and outburst traffic patterns was a challenge to solve.
o 📱 Adobe Draw: A professional painting and drawing from adobe trageted for large handheld devices like tablets. I worked on core features like drawing editor, brush and toolbar panels, layers editor, projects organiser, synchronising assets with Creative Cloud.
o 📱 Adobe Shape: Design and implementation of major portions of the app. Interacting with the shape generation library and workflows to save generated assets to Creative Cloud were the major contributions.

**NetApp**          **Bengaluru, India**
*MTS 2*          *August, 2014 – Feb, 2015*
o Software developer working in Flex Array Virtualization (FAV) team.
o Work involved in developing storage stack which virtualizes and allows customers to attach third party storage systems to our storage system.

**Texas Instruments**          **Bengaluru, India**
*Software Developer*          *July, 2012 – July, 2014*
o A software framework developer for the next generation TI SOC platforms
o The framework allows customers to quickly prototype and evaluate vision algorithms and create custom data flows involving Video capture, Video Processing and Video Display.
o Worked extensively in developing plug and play components in C/C++.

**IBM**          **Bengaluru, India**
*Software Development Intern, IBM India Software Labs*          *Feb, 2012 – June, 2012*

Worked in AIX Performance tools development team. I was involved in developing tools that display statistics related to the four main subsystems of AIX operating system namely CPU, Memory, Disk and Network.